Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Monday 18 Dec 2023 until 23:59 on Tuesday 19 Dec 2023

Forecast Issued on Sunday 17 Dec 2023 at 08:48

Confidence: High for unsettled and increasingly cold and windy conditions through the forecast period but lower for timing of clearance of rain on Monday and again Wednesday.

Headline for Monday 18 Dec 2023: Cloudy with occasionally heavy rain, drier this evening. Strong winds.

Mountain weather hazards on Monday 18 Dec 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Low Likelihood

Severe chill effect
Low Likelihood

Poor visibility
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
Medium Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Light rain	Light rain	Heavy Rain	Light rain	Cloudy	Partly cloudy (night)
Precipitation probability							
70%	80%	70%	70%	>95%	80%	30%	10%

Forecast for Monday 18 Dec 2023

Weather: Continuing cloudy with further outbreaks of rain, the rain most persistent and occasionally heavy across western hills, although some persistent and heavy rain likely widely across the area around the middle of the day. This will lead to some fast flowing water courses and saturated ground. During the afternoon the rain becomes lighter and patchier before clearing away south to leave a mainly dry evening with long clear spells developing.

Chance of cloud-free hill tops above 600m: Little chance through much of the day gradually improving to around 90% through the late afternoon and evening.

Low Cloud and visibility: Periods or persistent cloud above 450-600m, lowering to 300m, with patches below, across western hills, especially in heavier rain, cloud gradually breaking and lifting through the late afternoon and evening. Away from cloud visibility rather hazy and falling to just a few kilometres in heavier rain, but becoming good or very good through the later afternoon and evening.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Monday 18 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	21/31 SW	20/29 SW	22/31 SW	23/33 SW	26/37 SW	26/37 W	22/32 W	16/25 W	14/21 W
300	15/31 SW	11/25 SW	11/23 SW	12/26 SW	16/33 SW	17/34 W	14/31 W	8/20 W	8/17 W
Valley	12/28 SW	10/24 SW	10/24 SW	12/27 SW	15/31 SW	13/28 W	10/24 W	5/14 SW	6/15 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/2	7/2	8/3	8/3	8/3	8/3	6/1	5/0	4/0
300	8/5	8/6	9/6	9/6	10/6	9/6	8/4	7/4	7/4
Valley	9/6	9/7	10/7	10/7	10/7	10/7	9/6	8/6	8/6
Freezing Level*	2900m	2600m	2400m	2200m	2200m	2000m	1600m	1400m	1300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts around 50mph over ridges and summits along with heavy rain leading to a significant chill on the hill tops despite the mild temperatures.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Sun 17 Dec 2023	0.2mm	1.8mm	1.8mm

Forecast for Tuesday 19 Dec 2023

Weather: Clear spells at first but cloud increasing bringing a few spots of rain through the early hours. The cloud clears soon after dawn to leave a much brighter day with some good spells of sunshine and, especially for western hills, scattered showers, these falling turning wintry over the higher summits.

Maximum wind: Westerly 15mph increasing 25mph by midday, with gusts around 45mph over ridges and summits by evening.

Chance of cloud-free hill tops above 600m: Around 25% at first improving to 75%

Low Cloud and visibility: Periods of cloud above 450-600m at first soon becoming more occasional above 600-750m. Away from cloud visibility good, falling to several kilometres in rain or showers and perhaps a kilometre in summit wintriness.

Temperature: **Valleys:** Around plus 5 or 6 Celsius at dawn and rising to plus 7 or 8 Celsius by day
At 600m: Around plus 2 Celsius
Freezing level: Falling to just above higher summits

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